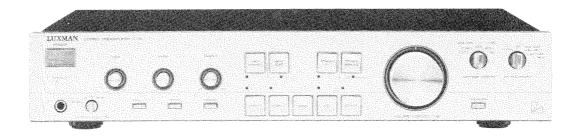


Stereo Preamplifier





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Specifications

Output Voltage
Input Sensitivity (at 1kHz)
Tuner: 150mV±15%
Phono (MM) 47k ohm, Cap-1: 2.5V±15%
Phono (MM) 47k ohm, Cap-1: 2.5V±15% Phono (MM) 47k ohm, Cap-2: 2.5V±15%
Phono (MC) 3 ohm: 0.1mV±15%
Phono (MC) 40 ohm: 0.11mV ± 15% Phono (MC) 40 ohm: 0.22mV ± 15%
Phono (MC) 100 ohm: 0.22mV±15%
Monitor-1, 2 (Tape/DAT): 150mV±15%
Video-1, 2:150mV±15%
Input Impedance (at 1kHz)
Tuner: 32k ohm±20%
Phono (MM) 47k ohm, Cap-1: 47k ohm±20%
Phono (MM) 47k ohm, Cap-1: 47k ohm±20% Phono (MM) 47k ohm, Cap-2: 47k ohm±20%
Phono (MC) 3 ohm: 120 ohm: 20%
Phono (MC) 40 ohm: 420 ohm: 20%
Phono (MC) 100 ohm: 100 ohm: 20%
Monitor-1, 2 (Tape/DAT): 32k ohm±20%
Video-1 2 : 32k ohm + 20%
Total Harmonic Distortion (at 1kHz)
Phono (MM) (Rec-Out: 5V): 0.01%
Video-1, 2 (Pre-Out · 2V) · 0.01%
Frequency Response
Phono (MM) (Rec-Out 1V) 100Hz : ± 0.5 dB
10kHz: ±0.5dB
Video-1, 2 20~100kHz ±0.5dB
Tape Monitor-1, 2 (DAT/Monitor-1, 2) $20\sim100$ kHz : ±1.5 dB
Video, Monitor-1, 2 20~100kHz : ±1,5dB
Tone Control
Treble (10kHz): ±6±1.5dB
Treble (10kHz): ±6±1.5dB Loudness (VR-30dB)
10kHz: +4±1.5dB
S/N Ratio (Input Terminal Shorted)) · · · · · · · · · · · · · · · · · ·
Phono (MM) Cap-1:43.8dB
Phono (MC) 3 ohm: 43.8dB
Phono (MC) 40 ohm : 43.8dB
Phono (MC) 100 ohm: 43.8dB
Monitor-1, 2 (DAT-1, 2) : 77,8dB Residual Noise ··········· Volume, minimum : 88,2dB
Cross Talk (Pre-Out 5V=0dB, Input Terminal Shorted at 1kHz)
Tuner: -7OdB Video-1, 2: -7OdB
Phono (MM): -7OdB
Monitor-1, 2: — Odb
Power Supply
100/120/240V, 50Hz (602 Model chly)
Semiconductors
18 Diodes, 11 Zener Di ₀ des
Dimensions
Weight
NOTE: Due to continuing product improvement, specifications and design are subject to change without notice.
The state of the s

Parts Locations and Disassembly Instructions

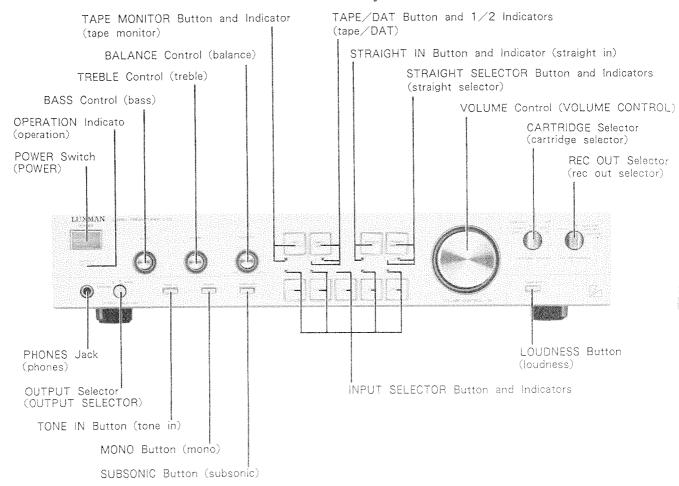


Figure 1

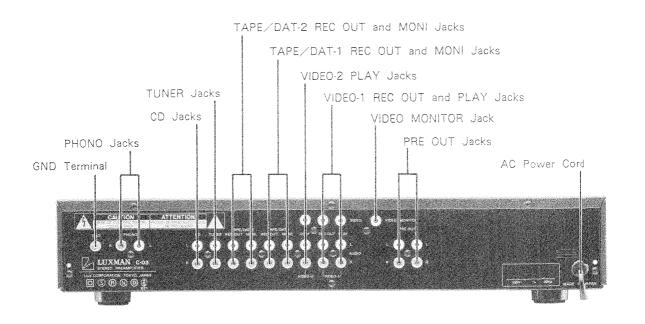
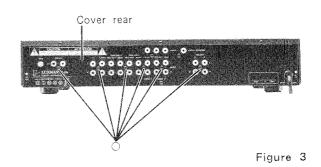


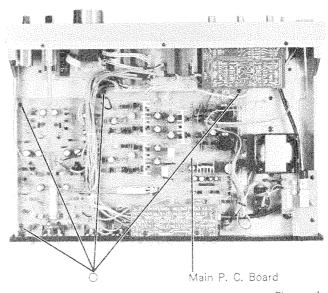
Figure 2

1. Removal of Main P. C. Board

(1) After removal of the top cover and front panel, remove ten screws marked "O" as shown in Figure 3 and 4



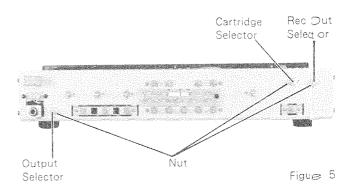
(2) Remove three control knobs, (output selector/cartridge selector/rec out selector) as shown in Figure 5.



(3) Remove three nuts as shown in Figure 5.

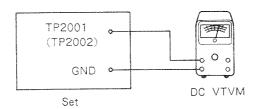


(4) Disconnect all wires from the Main P. C. Board.



Adjustment Procedures

1. Connection

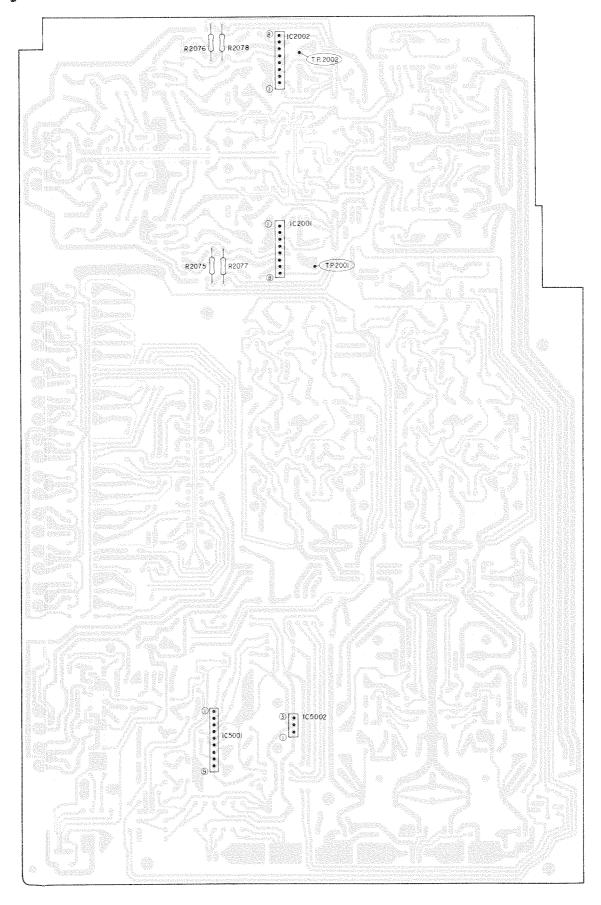


2. Control Settings

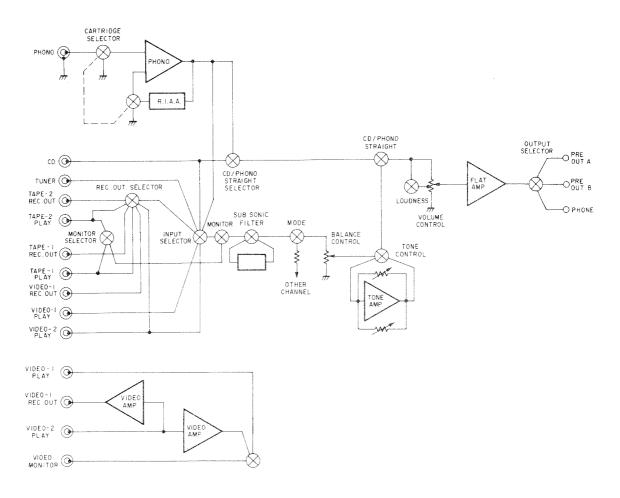
3. Adjustment Procedures

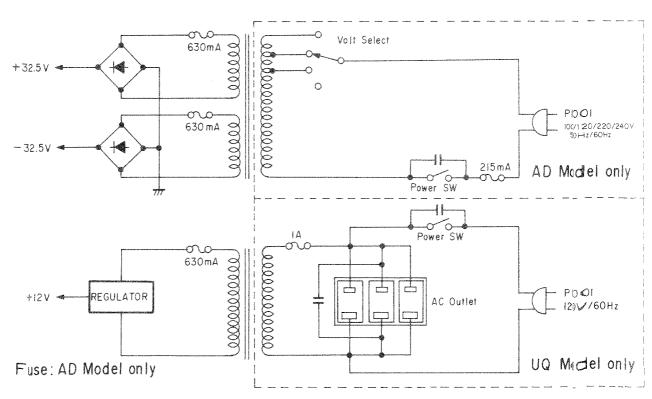
Cartridge	Selector	Switch	MM	
Others ·	<i></i>		OFF	

Adjustment Locations

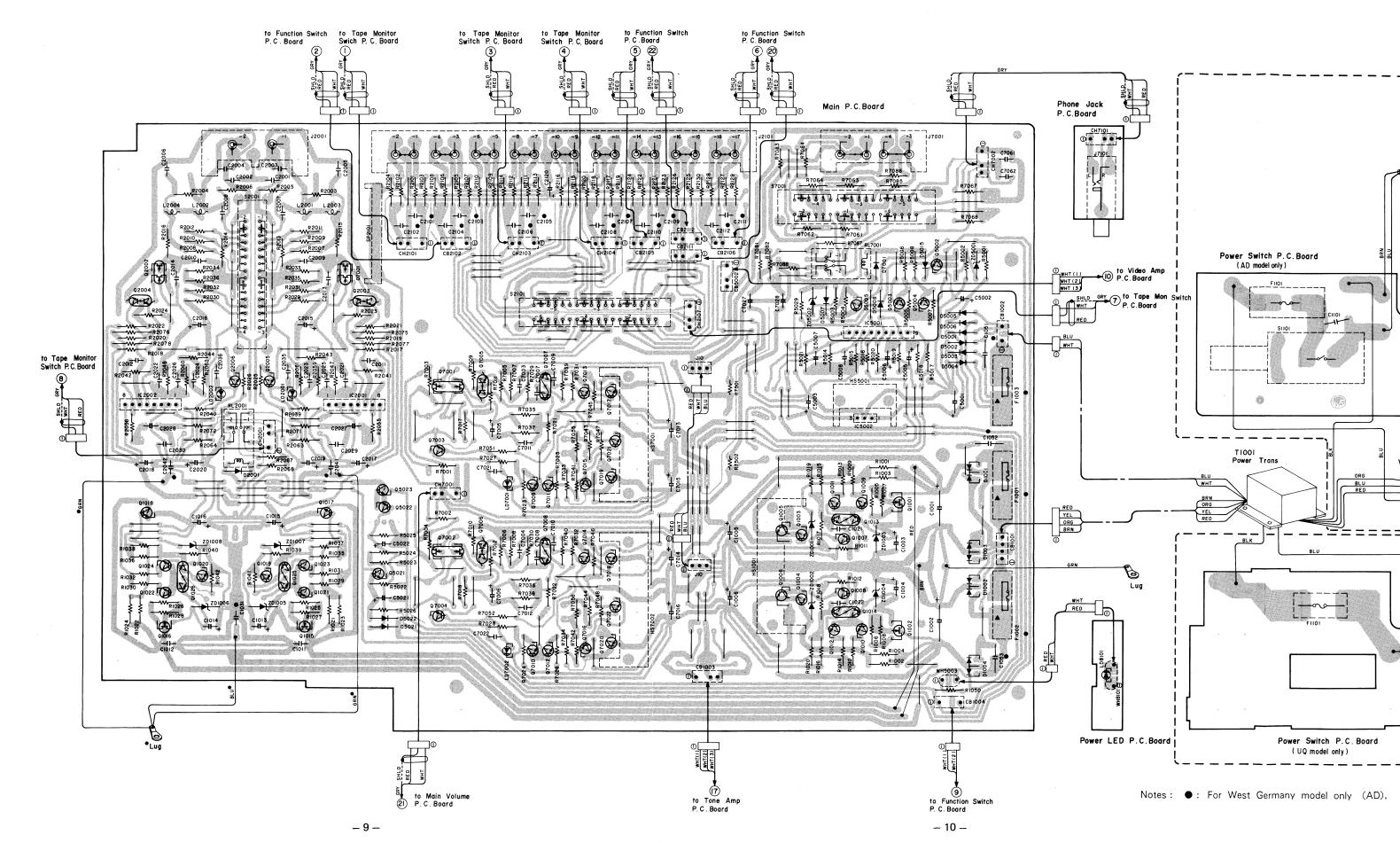


Block Diagram

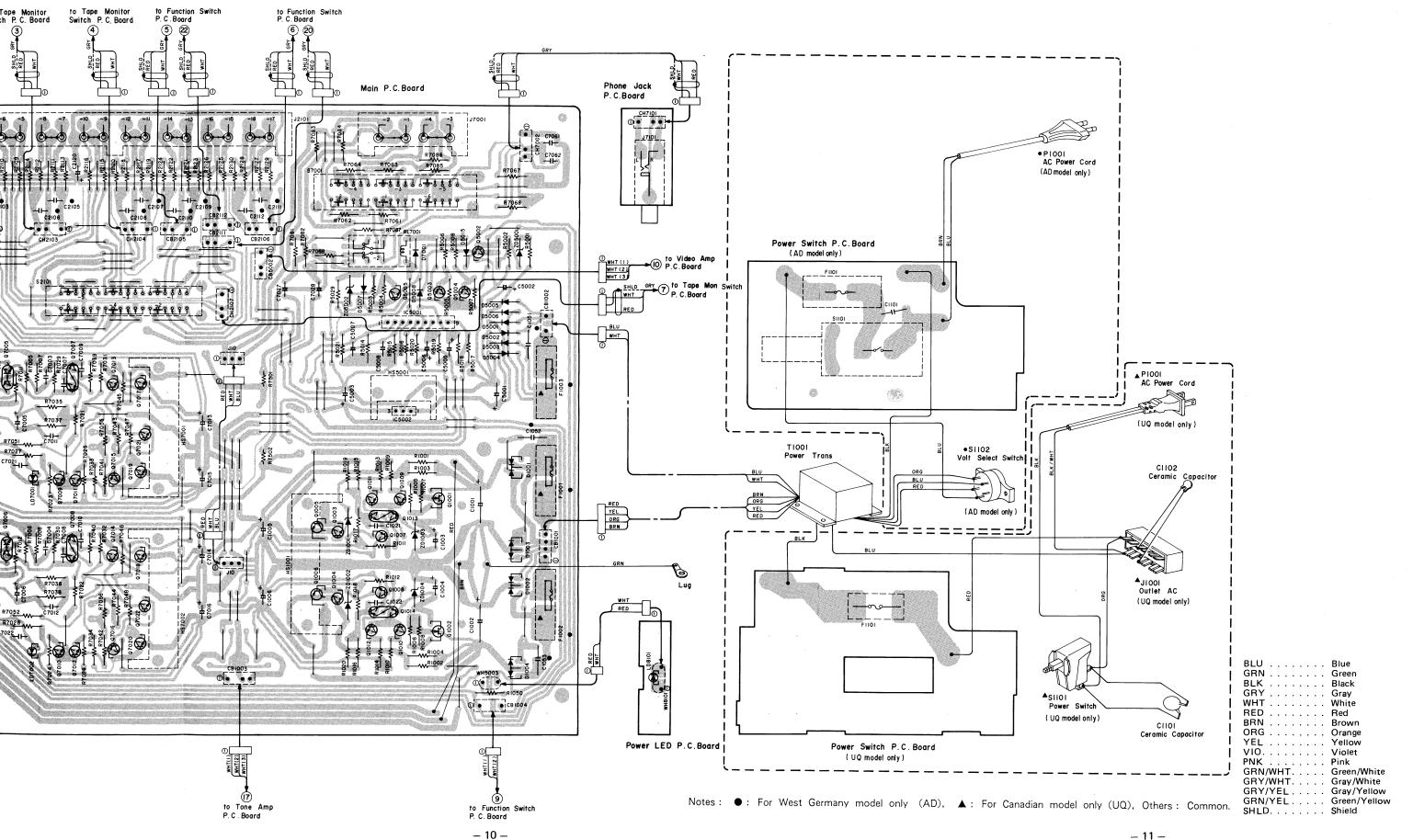




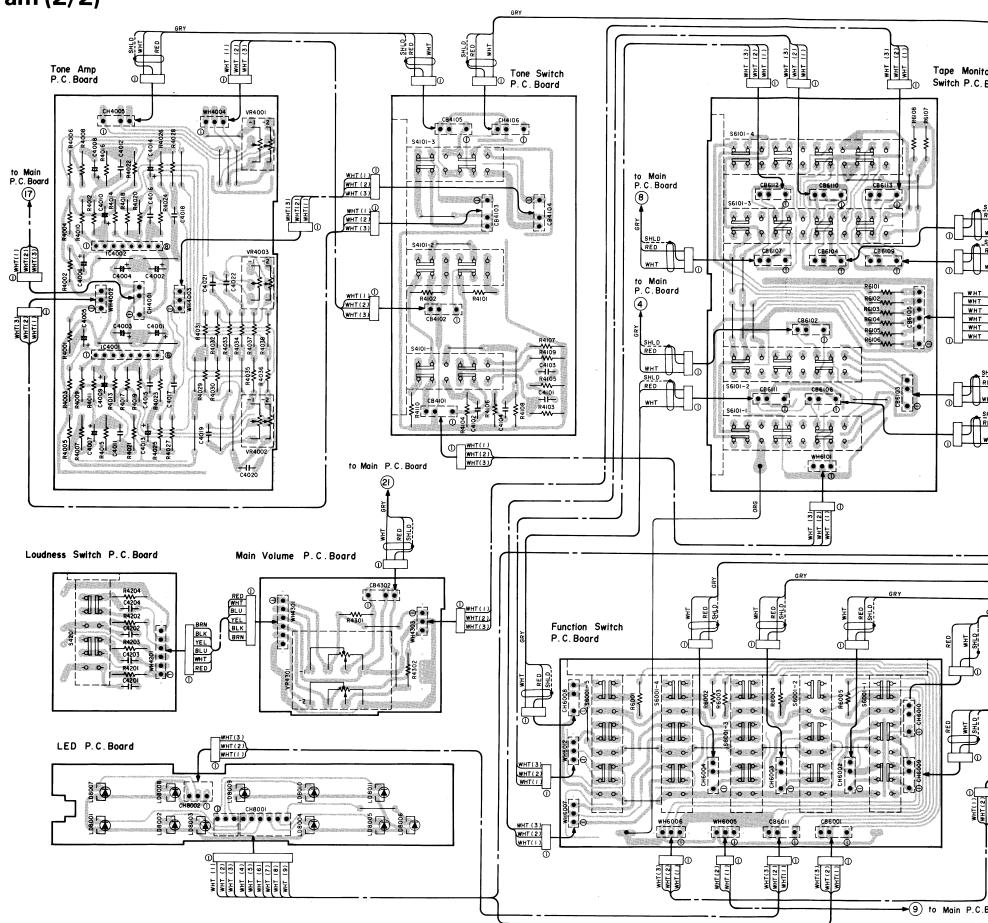
Parts Layout on P.C. Boards and Wiring Diagram (1/2)



gram (1/2)

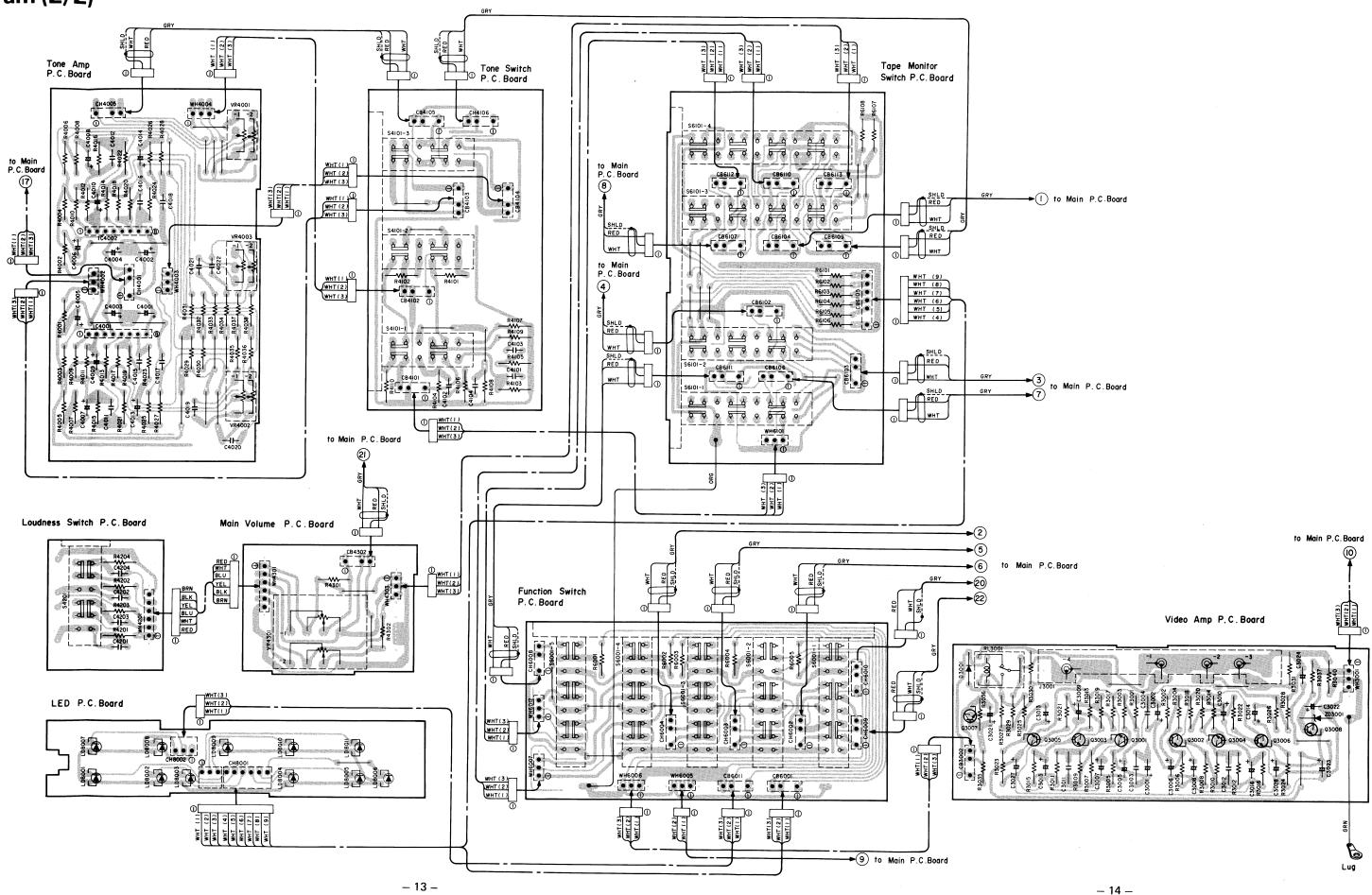


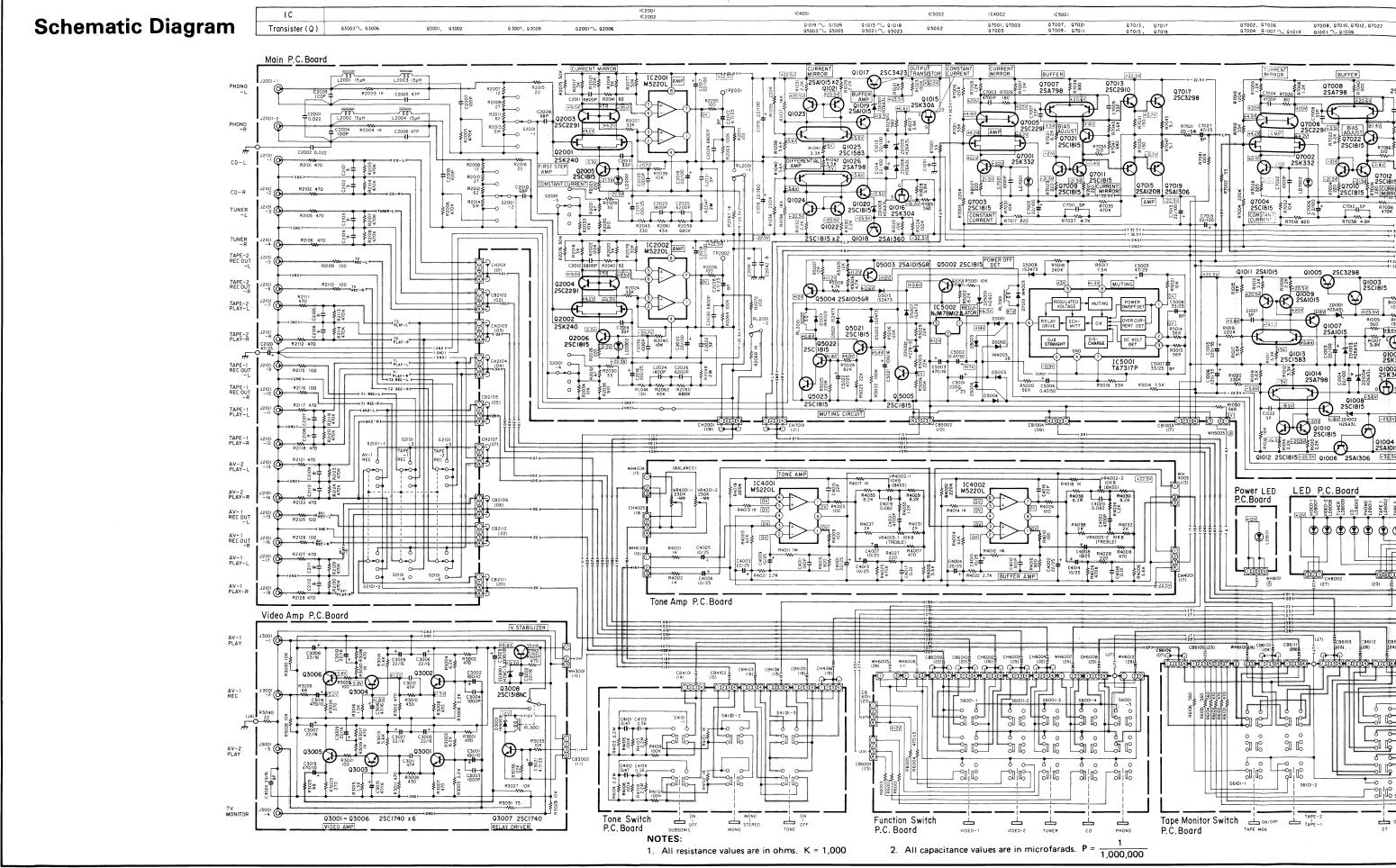
Parts Layout on P.C. Boards and Wiring Diagram (2/2)

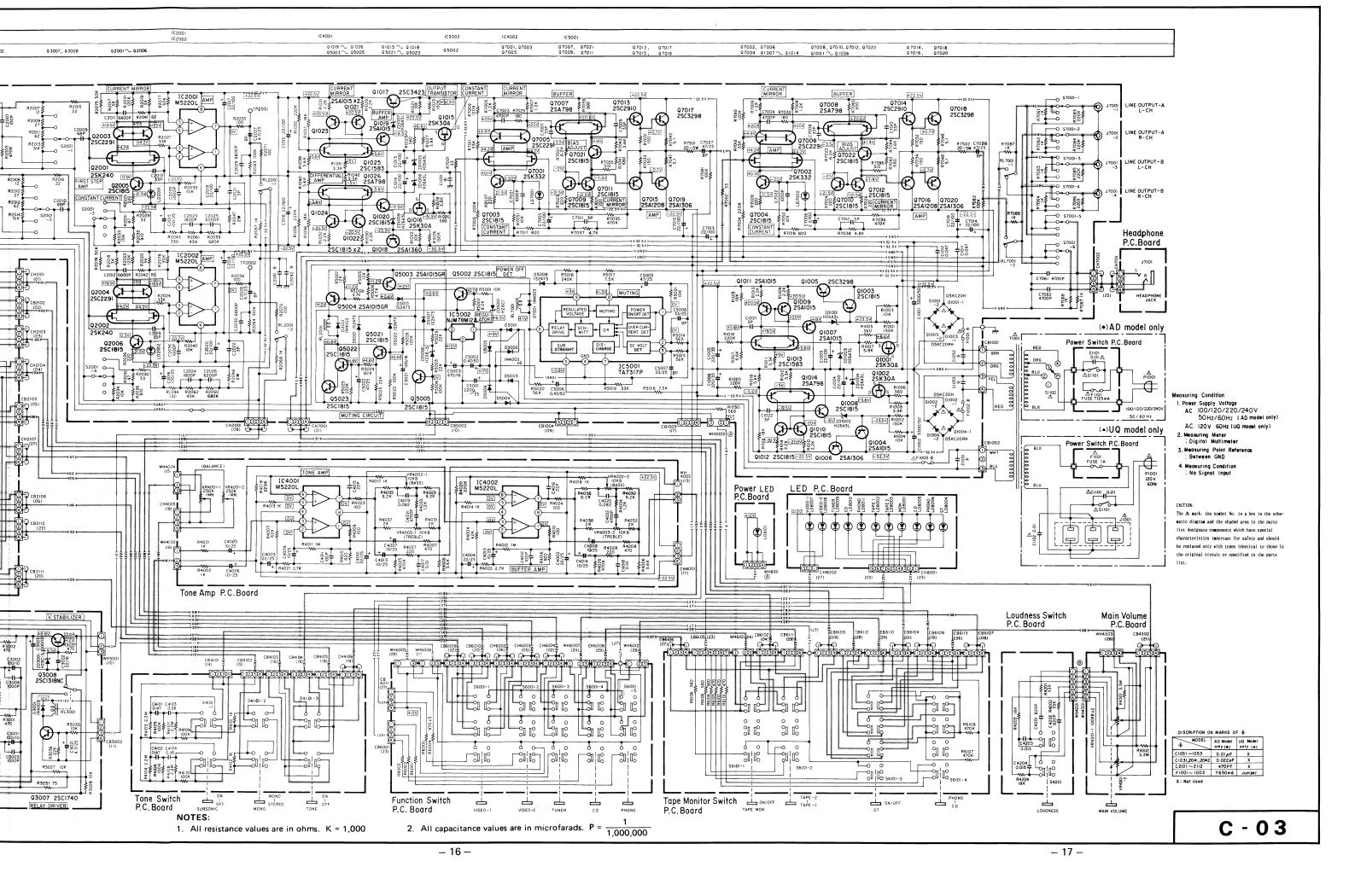


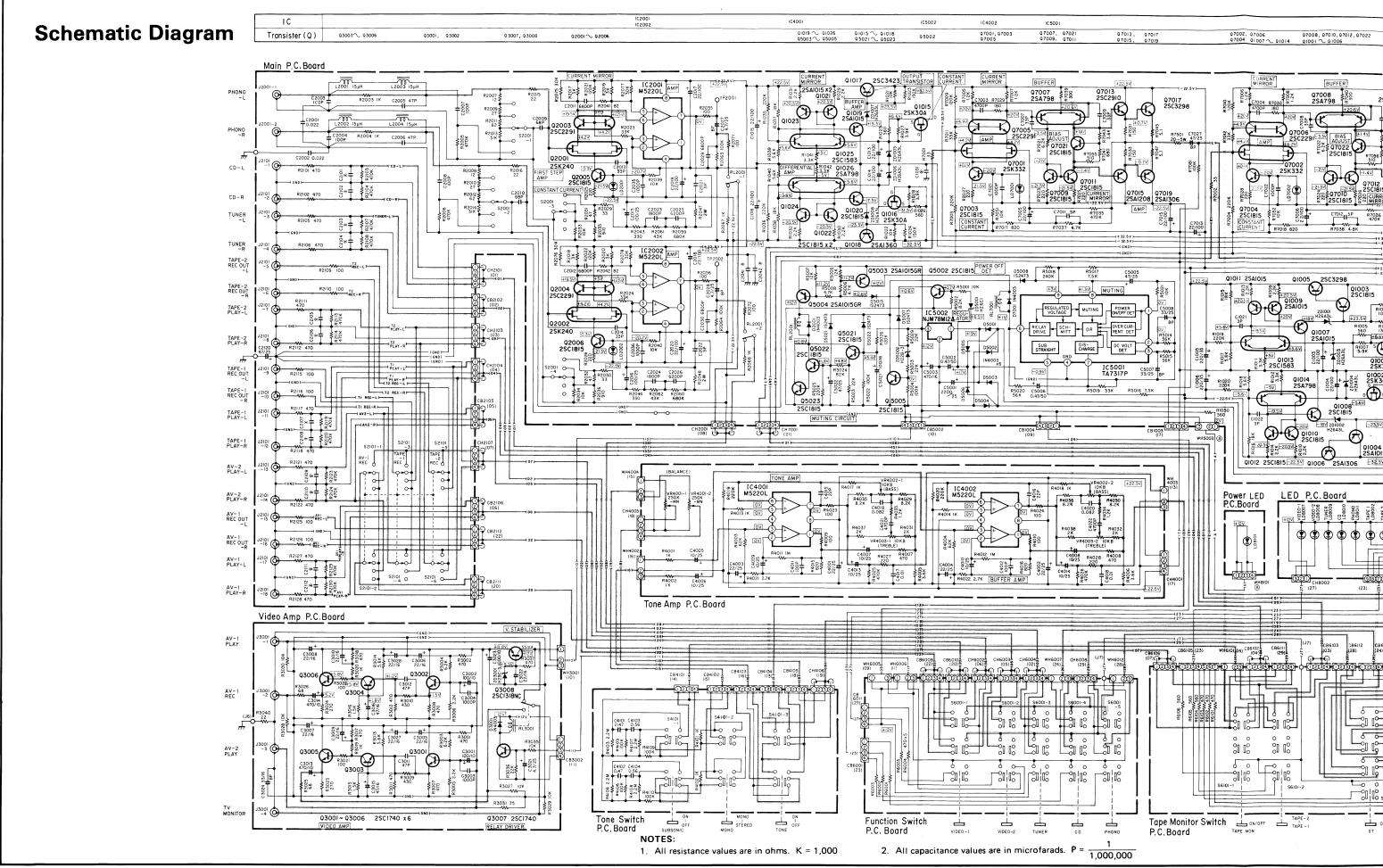
BLU Blue
GRN Green
BLK Black
GRY Gray
WHT White
RED Red
BRN Brown
ORG Orange
YEL Yellow
VIO Violet
PNK Pink
GRN/WHT Green/White
GRY/WHT Gray/White
GRY/YEL Gray/Yellow
GRN/YEL Green/Yellow
SHLD Shield

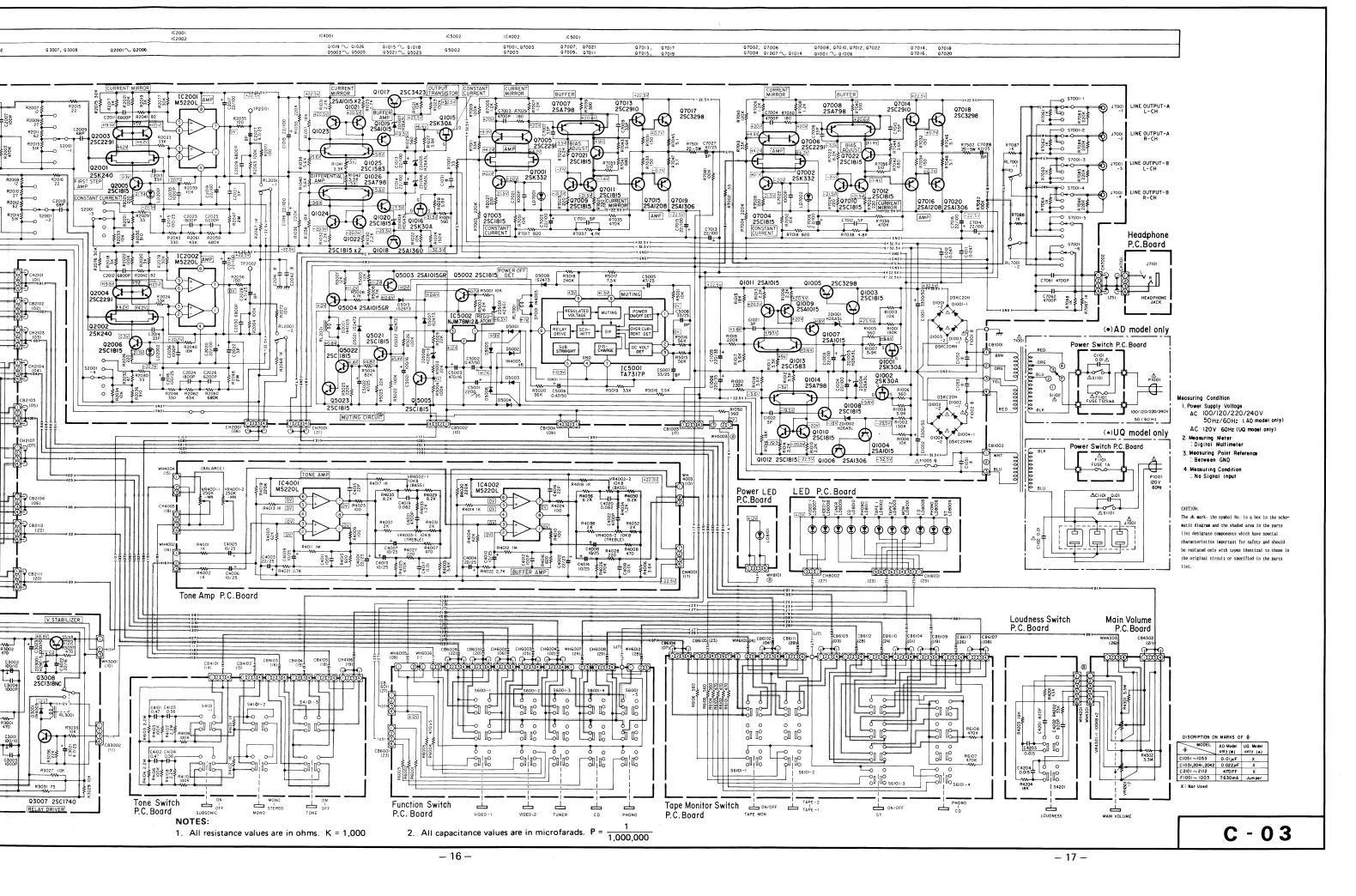
Diagram (2/2)











Electrical Parts List

Resistor: Carbon resistors under 1/4 watts are not mentioned in the parts list, please confirm them by schematic diagram. uF=microfarads, pF=picofarads

			Symbol		D 111		
	Ab	breviations	No.	Part No.	Description		
	S.=Resistor	CAP. = Capacitor	Q1026	48T43816F02	2SA798		
С	.F.=Carbon Fili	m ELY. = Electrolytic	02001	48T60558F01	FET, 2SK240		
М	.F.=Metal Film	CER. = Ceramic	02002	48T60558F01	FET, 2SK240		
M.	.O.=Metal Oxid	de Film MYL.=Mylar	02003	48T72598F01	2SC2291		
	.P.=Metal Plate		02004	48T72598F01	2SC2291		
	R.=Transistor	POLY.=Polystyrol	[]				
			02005	48T81101F01	2SC1815		
	IS.=Transform		02006	48T81101F01	2SC1815		
C	CP.=Chip	PLT.=Polyethylene	05002	48T81101F01	2SC1815		
	1		05003	48T51118F02	2SA1015		
Symbol No.	Part No.	Description	Q5004	48T51118F02	2SA1015		
			Q5005	48T81101F01	2SC1815		
	Mair	n P. C. Board	Q5021	48T81101F01	2SC1815		
101			05022	48T81101F01	2SC1815		
lC's			<u> </u>	48T81101F01	2SC1815		
IC2001	51T72167F01	M5220L	Q7001	48T72887F01	FET, 2SK332		
IC2002	51T72167F01	M5220L	11				
IC5001	51T67437F01	TA7317P	Q7002	48T72887F01	FET, 28K332		
IC5002	51T72375F01	NJM78M12A	Q7003	48T81101F01	28C1815		
			Q7004	48T81101F01	2SC1815		
			Q7005	48T72598F01	28C2291		
			07006	48T72598F01	2SC2291		
			Q7007	48T43816F02	2SA798		
			07008	48T43816F02	2SA798		
	<u>.</u>		07009	48T81101F01	2SC1815		
Trans	sistors		07010	48T81101F01	2SC1815		
Q1001	48T52152F01	FET, 2SK30A	Q7011	48T81101F01	2SC1815		
Q1002	48T52152F01	FET, 2SK30A	Ш				
Q1003	48T81101F01	2SC1815	07012	48T81101F01	2SC1815		
Q1004	48T81102F01	2SA1015	07013	48T72889F01	2SC2910		
Q1005	48T60555F01	2SC3298	07014	48T72889F01	28C2910		
			Q7015	48T72888F01	2SA1208		
Q1006	48T60556F01	2SA1306	Q7016	48T72888F01	2\$A1208		
Q1007	48T81102F01	2SA1015	- []				
Q1008	48T81101F01	2SC1815	Q7017	48T60555F01	2SC3298		
Q1009	48T81102F01	2SA1015	Q7018	48T60555F01	2SC3298		
Q1010	48T81101F01	2SC1815	Q7019	48T60556F01	2SA1306		
			Q7020	48T60556F01	2SA1306		
Q1011	48T81102F01	2SA1015	Q7021	48S43525F03	2SC1815		
01012	48T81101F01	2SC1815	- []				
Q1013	48T44982P01	2SC1583G	07022	48S43525F03	2SC1815		
Q1014	48T43816F02	2SA798	11				
Q1015	48T52152F01	FET, 2SK30A					
Q1016	48T52152F01	FET, 2SK30A					
Q1013	48T64376F01	2SC3423					
Q1017	48T64375F01	2SA1360					
Q1019	48T81102F01	2SA1015	II 	4.55			Ь
Q1019	48T81101F01	2SC1815	Diod	es/LED's			
41020	70,01,01,01		D1001	48T80317F01	Twin D5KC20H		
Q1021	48T81102F01	2SA1015	D1002	48T80317F01	1		
Q1021	48T81101F01	2SC1815	D1003		Twin D5KC20RH		
01023	48T81102F01	2SA1015	D1004	l.	Twin D5KC20RH		
Q1023	48T81101F01	2SC1815	D2001	48\$40477U01			
Q1025	48T44982P01	2SC1583G					
L	<u></u>						L

Symbol No.	Part No.	Description		Symbol No.	Part No.	Description	
D5001	48\$40477U01	ł		Switc	hes		<u> </u>
D5002 D5003	48S40477U01 48S40477U01	IN4003		S2001	40T90662F02	Rotary SLD SSSR	
D5003	i .	IN4003		32001	40190002F02	(CARTRIDGE	
D5005	1	IN4003				SELECTOR)	
	10010111001			S2101	40T90663F01	Rotary SLD SSSR	
D5006	48\$40477U01	IN4003				(REC OUT	
D5007	48T68764F03	1S2473			1	SELECTOR)	
or	48T43189F01	1S1555		S7001	40T90663F01	Rotary SLD SSSR	
D5008	I .	182473				(OUTPUT SELECTOR)	
or	48T43189F01	181555					
D5015	48T68764F03	192473					
or	48T43189F01						
D5021	48T68764F03	182473					
or	48T43189F01	1S1555		Jacks	•		L
D5022	48T68764F03	1S2473			Τ		TT
or	48T43189F01	181555		J2001	09T90669F01	Phono, Plate (AU) (2P)	
D7001 LD2001	48S40477U01	IN4003 LED, BR5507S (RED)		J2101	09T90670F01	Phono, Plate (AU) (18P)	
LD2001		LED, BR5507S (RED)		J7001	09T90672F02	Phono, Plate (AU)	
LD7001	i .	LED, BR5507S (RED)				(4P)	
LD7002	48T52953F03	LED, BR5507S (RED)					
701001	40TE0741500	7,,,,, 11764 21					
ZD1001 ZD1002		Zener, HZ6A – 3L Zener, HZ6A – 3L					
ZD1002		Zener, HZ6A-3L					
ZD1004		Zener, HZ6A – 3L					
ZD1005	48T52741F03	Zener, HZ6A – 3L			<u>.</u>		L
				Capac			r
ZD1006 ZD1007	1	Zener, HZ6A-3L		1	1	ELY., 3300 µ F/50V ELY., 3300 µ F/50V	
ZD1007 ZD1008	1	Zener, HZ6A – 3L Zener, HZ6A – 3L		- 1	1	ELY., 22 µ F/100V	
ZD5001	48T52739F40	Zener, HZ6C-1		1	1	ELY., 22 µ F/100V	
ZD5002	1	Zener, HZ2B-3		C1005	23T00154L27	ELY., 220 µ F/35V	
				01006	23T00154L27	ELV 220 E 225V	
					08T57705F25		
						MYL., 0.047 μ F	
					23T00154L53	1	
		l		C1014	23T00154L53	ELY., 22 µ F/100V	
Coils							
L2001	1	Choke, 15 µ H			23T00154L53		
L2002 L2003	1	Choke, 15 µ H Choke, 15 µ H		1	23T00154L53 08T81196F03		
L2003	24T63929F17	Choke, 15 µ H			08T81196F03	1	
22004	24100020111	0110KG, 10 p 11			08T52714F17		
					21T68834F01	CER., 0.01 µ F	
	1			l l	21T68834F01	CER., 0.01 µ F	
						CER., 0.01 µ F	
Relay	/S			3	i	CER., 0.022 µ F	
RL2001	80T00048L02	RZ-12W-0H					
RL7001	80T00048L02	RZ-12W-0H		1	08T61642F27	i	
				1	08T61642F27		
					08T81196F25	1	
				1	08T81196F25	· · ·	
				02007	08T81196F34	MiC., 100pF	
Votos	For West	Cormony model only	(AD) A : 5		L		

Notes: ●: For West Germany model only (AD), ▲: For Canadian model only (UQ), Others: Commorn...

-	No.	Part No.	[Description	Symbol No.	Part No.	Description	
	C2008	08T81196F34	MIC.,	100pF	C500	23T00140L25	FLY. (B.P.)	
			MIC.,	68pF		20100110220	33 μ F/25V	
			MIC.,	68pF	C5008	3 23T00140L25		
			1	·		23100140223	33 µ F/25V	
			PP.,	6800pF		02700128121	ELY., 100 µ F/16V	
l l	C2012	08T00151L23	PP.,	6800pF	1 11 1			
					1 11 1		ELY., 47 μ F/25V	
ŀ	C2013	08T81196F19	MIC.,	33pF	C7003	3 08T00151L21	PP., 4700p	
	C2014	08T81196F19	MIC.,	33pF				
	C2015	23T00132L12	ELY.,	100 µ F∕25V	C7004	1 08T00151L21	PP., 4700pF	1 1
	C2016	23T00132L12	ELY.,	100 μ F∕25V	C7005	5 23T00132L52	ELY., 22 μ F/100V	1 1
	C2017	23T00154L53	ELY	22 μ F/100V	C7006	3 23T00132L52	ELY., 22 µ F/100V	
					C700	7 08T81196F19	MIC., 33pF	
ļ	02018	22T00154L52	EIV	22 μF∕100V	1 1 1	3 08T81196F19	1 '	
1				22 μF/100V	0,000	00101100110	14110.,	
					07000	00701106510	MIC 22-E	
				22 μF/100V	1 11 1	08T81196F19		1 1
	-	08T81196F03		3pF	1 11 1	0 08T81196F19	•	
	C2022	08T81196F03	MIC.,	3pF		08T81196F04	1	
					1 61 1	2 08T81196F04	· ·	
]	C2023	08T00151L16	PP.,	1800pF	C701:	3 23T00154L53	ELY., 22 µ F/100V	
		08T00151L16		1800pF				
		08T00151L72		6200pF		1 23T00154L53	ELY., 22 4 F/100V	
		08T00151L72		6200pF	1 1 1	ř.	ELY., 22 μ F/100V	
		23T71210F12			1 1 1		ELY., 22 µ F/100V	
	02021	23171210712	[.,	4.7 µ F/25V		08T57705F05		
				4.1 p F/ 20V	1 11 1	2 08T57705F05	· ·	
Ιİ				(m m)		2 08157705F05	WITE., TOOOPF	1
	C2028	23T71210F12	ELY.,				(5.17 (5.5)	
				4.7 μ F/25V	C702	7 23T71210F18		
	C2029	08T00151L23	PP.,	6800pF	1 11		47 μ F/25V	
	C2030	08T00151L23	PP.,	6800pF	C702	3 23T71210F18	ELY., (B.P.)	
	C2035	08T57705F05	MYL.,	1000pF			47 μ F/25V	
	C2036	08T57705F05				I 08T57705F13	MYL., 4700pF	
1 1						 	MYL., 4700pF	
	02041	08T52714F17	CEB	0.022 µ F			(1,1,2,1,	
		08T52714F17	4					
		08S40805F05	1					
•		08S40805F05	1					
	C2103	08S40805F05	CER.,	470pF				
		08S40805F05		470pF				
	C2105	08S40805F05	CER.,	470pF				1
	C2106	08S40805F05	CER.,	470pF	Raci	stors		
		08\$40805F05	1	470pF	1 1031			
		08S40805F05	1	470pF	R7501	06T90737F01	M.O., 20 ohm 5W	
["		R7502	06T90737F01		
	02100	08S40805F05	CEB	470pF				
		• • • •	1	·				
		08\$40805F05		470pF				
		08S40805F05	1	470pF				
		08S40805F05	1					
	C2120	23T00138L30	ELY.,	47 μF/25V				1
			1					
	C5001	23T00136L47	ELY	2200 μ F/25V				
				0.47 μ F/50V				
				470 μ F / 16V				
				47 μ F / 25V				
	C5006	23100138L44	IFLY.,	0.47 μ F/50V				
]
		1						

Notes: ●: For West Germany model only (AD), ▲: For Canadian model only (UQ), Others: Common...

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description	
	Video A	Amp P. C. Board		Tone A	Amp P. C. Board	
Trans	sistors		lC's			
Q3001 Q3002 Q3003 Q3004 Q3005	48T81103F01 48T81103F01	2SC1740 2SC1740 2SC1740 2SC1740 2SC1740	IC4001 IC4002	51T72167F01 51T72167F01	M5220L M5220L	
Q3006	1	2SC1740				
Q3007 Q3008	1	2SC1740 2SC1318NC	Capac	T	ELV 00 E (0E)/	
			C4001 C4002 C4003 C4004	23T00154L17 23T00154L17 23T00154L17 23T00154L17	ELY., 22 μ F/25V ELY., 22 μ F/25V	
Diode	1	T	 C4005	23T00138L27	ELY., 10 μ F/25V	
D3001 ZD3001	48S40477U01 48T52739F60	IN4003 Zener, HZ9C-3	C4006 C4007 C4008 C4009	23T00138L27 23T00138L27	ELY 10 µ F/25V ELY 10 µ F/25V ELY 10 µ F/25V	
Relay	//Jack		C4010	23T00138L27	ELY., 10 μ F/25V	
		Relay, (G2E) 12V Phono, Plate (AU) 4PV	C4011 C4012 C4013 C4014 C4015	08T81196F34 08T81196F34 23T00138L27 23T00138L27 08T81196F14	ELY., 10 µ F/25V ELY., 10 µ F/25V	
Сара	citors		 C4016	08T81196F14	MIC., 22pF	
C3001 C3002 C3003 C3004 C3005	23T00138L12 23T00138L12 08T55260F49 08T55260F49 23T00138L18	ELY., 100 µ F/10V CER., 1000pF CER., 1000pF	C4017 C4018 C4019 C4020	08T57851F01 08T57851F01 08T57851F12 08T57851F12	PF 0.01 μ F PF 0.01 μ F TF., 0.082 μ F TF., 0.082 μ F	
C3006 C3007 C3008 C3009 C3010	23T00138L18 23T00138L18 23T00138L18 23T00138L18 23T00138L18	ELY., 22 µ F/16V ELY., 22 µ F/16V ELY., 22 µ F/16V	C4021 C4022	08T57851F32 08T57851F32	1 1	
C3011	08T81196F25	1	Volun	nes		
C3012 C3013 C3014 C3015	08T81196F25 23T00138L15 23T00138L15 23T00138L20	ELY., 470 µ F/10V ELY., 470 µ F/10V	VR4001 VR4002	18T90658F01	Rotary 250K ohm (BALANCE) Rotary 10K ohm	
					B×2 (BASS)	
C3016 C3021 C3022 C3023 C3024	23T00138L26 23T00138L18	ELY., 47 μ F/16V ELY., 4.7 μ F/25V ELY., 22 μ F/16V ELY., 1000 μ F/10V ELY., (B.P.) 33 μ F/16V	VR4003	18T90657F01	Rotary 10K ohm B×2 (TREBLE)	
C3027 C3028		ELY., 22 µ F/16V ELY., 22 µ F/16V				

Symbol No.	Part No.	Description	5	Symbol No.	Part No.	Description	
	Tone Sv	witch P. C. Board			LED	P. C. Board	
Switc	ch			LED's			
\$4101	40T90666F01	Push (SPUN) (SUBSONIC, MONO, TONE IN)		LD8001 LD8002 LD8003 LD8004 LD8005	48T70949F01 48T70949F01 48T68847F01 48T68847F01	SLR54DC3F (ORG) SLR54DC3F (ORG) SLR54DC3F (ORG) SLR-54MC3 (GRN) SLR-54MC3 (GRN)	
Capa	citors		§ 1	LD8006 LD8007		SLR-54MC3 (GRN) SLR-54MC3 (GRN)	
C4101 C4102 C4103 C4104	08T57851F21 08T57851F21	TF., 0.47 μF TF., 0.47 μF TF., 0.56 μF TF., 0.56 μF			48T68847F01 48T68847F01 48T68847F01	SLR-54MC3 (GRN) SLR-54MC3 (GRN) SLR-54MC3 (GRN) SLR-54MC3 (GRN)	
	Loudness	Switch P. C. Board					
Swite	ch/Capacitors						
S4201 C4201	O8T57705F04	Switch, Push (SPUN) (LOUDNESS) MYL., 820pF				iscellaneous	
C4202 C4203 C4204		MYL., 820pF MYL., 0.015 μ F MYL., 0.015 μ F		F1001	08T57437F11 65T42077U14 65T42077U14	CAP., CER., 0.01 µ F CAP., CER., 0.01 µ F Fuse, Semko T630mA Fuse, Semko T630mA Fuse, Semko T630mA	
	Main Vo	olume P. C. Board	•	1		Fuse, Semko T250mA	
Volui	me			F1101	65T52486F03	Fuse, MF 61NM 1A Outlet, AC	
VR4301	18T91013F01	Rotary 100K ohm B×2 (VOLUME CONTROL)		J7101		PHONES Jack (phones) LED, SLR54DC3F (ORG)	
	Function	Switch P. C. Board	•	P1001 P1001		AC Power Cord AC Power Cord	
Swite				1	40T84122F01 40T80736F01	Switch, Power SDDLE Switch, Power	
S6001	40T90665F01	Push (SPUN) (VIDEO – 1, – 2, TUNER, CD, PHONO)		T1001	40T80258F02 25T92778F01 25T92779F01	SDDZB1 Switch, Voltage Select Trans, Power Trans, Power	
	Tape Monit	or Switch P. C. Boar	d				
Swit	ch						
S6101	40T90668F01	Push (SPUF) (TAPE MONITOR, TAPE/DAT, STRAIGHT IN, STRAIGHT SELECTOR)					

Notes: ●: For West Germany model only (AD), ▲: For Canadian model only (UQ), Others: Common.

Cabinet Assembly Parts List

NOTE: The parts without part numbers are not supplied.

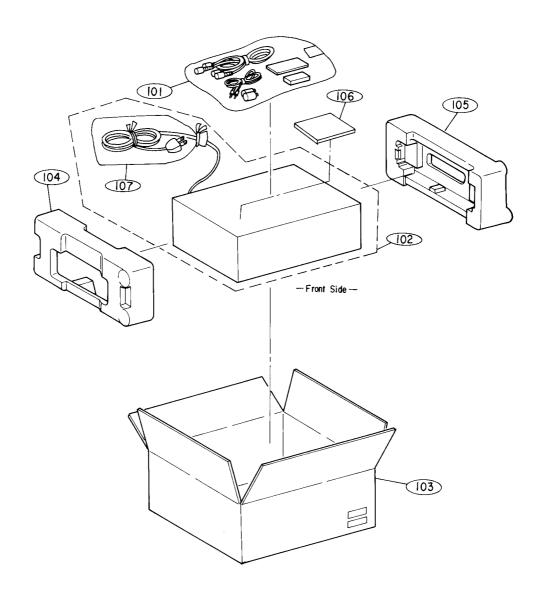
Symbol 35	_			· · · · · · · · · · · · · · · · · · ·		1/1	OTE :		parts without	part numbers are	not st	ipplied.
2			Index	Part No.	Description	1 1		Index	Part No.	Description		
2 2 3 15033872F03 Cover. Top 46 3-A 36861435F01 Knob., Volume (1164)		1	5-A	01V91300F98	Assy., Front P.C.		45	4-B	36A61760F01	Knob, Rotary		
4 4 4 15(930578F0) Cover, Rear Oscrw, Bind (M3 x 8) 4 4 4 4 4 5(930578F0) Cover, Rear Oscrw, Bind (M3 x 8) 48 3 3 3A369538F101 (Mob. Rotary Volume (M3 x 8) 5 5 5 7 5-0 75157059F01 Pad, Tranleg Serew, Bind (M3 x 8) 5 3-0 3038385710 Serew, Bind (M3 x 4) 30 40790681F01 Switch, Rotary Switch, Rotary Sizew, Bind (M3 x 4) 40790681F01 Switch, Rotary Switch, Rotary Switch, Rotary Sizew, Bind (M3 x 4) 40790681F01 Switch, Rotary S	1				Board					(VR1163)		
▲ 4 4 4 F 15090578F02 Oover, Rear 03371031F04 Oover 150 Oover	1	2	2-G	15C83872F03	Cover, Top		46	3-A	36A61435F01	Knob, Volume		
S	•	4	4-F	15C90578F01	Cover, Rear	- 11				(1164)		
(M3 × 8) (M4 × 12) (M3 × 4) (M3 × 4) (M3 × 4) (M3 × 8) (M3 × 4) (M3 × 4) (M3 × 8) (M4 × 12) (M3 × 4) (M3 × 4) (M3 × 8) (M4 × 12) (M3 × 8) (M4 × 12) (M4 × 12) (M5 × 12) (M6 × 12) (M6 × 12) (M8 × 8) (M8 × 8	▲	4	4-F	15C90578F02	Cover, Rear		47	4-C	36B90588F01	Knob, Rotary		
Serew, Bind (M3 × 8)	l	5		03S71031F04	Screw, Bind					Volume		
6	l				(M3 × 8)	- 11	48	3-A	36A57910F03	Knob, Rotary		
7 5-D 75157059F01 Pad, Tranleg 5-D 03953857F10 Screw, Tapping (M4 × 12) 13 05841635002 River Push	l					- 11	50		03S71031F01	Screw, Bind		
7 5-D 75157059F01 Pad, Tranleg 5-D 30363857F10 Screw, Tapping (M4 × 12) 034420540 Screw, Bind (M3 × 4) 05841635J02 Rivet Push	ł	6		03S82672F20	1 1 1	- 11				$(M3 \times 8)$		
8 8 6-D 03563857F10		_			1 1	- 11	l				İ	
(M4 × 12) 03844205640 Screw, Bind (M3 × 4) 05841635J02 Rivet Push 14 2-D 14\$53017F64 Insulator, Cover 54A63397F01 Label, Fuse Caution 03844205689 Screw, Bind (M4 × 6) 16 4-F 75\$92415F11 Cushion, Rubber 17 1-B 47A90587F01 Shaft, Power 18 1-C 43A8385F01 Spacer, Rubber 03D40014604 Screw, W/Washer (M3 × 6) 28 43153136F01 Spacer, Rubber 03D40014604 Screw, W/Washer (M3 × 6) 28 4-H 43841625J02 Support, Cord 30 4-H 29768964F02 Terminal, GND (AU) 31 5-H 14A93742F01 Double, Face Jack 09751410F01 Holder, Fuse (Semko) 35 4-D 09751960F01 Lug, Board – In 50mm 37 29A41814G01 Lug, Board – In 50mm 37 29A41814G01 Lug, Board – In 50mm 38 36870885F08 Knob, Push (M3 × 6) 42 3-A 36870885F08 Knob, Push (Power) 43 36A67333F02 Knob, Push (Power) 43 36A67333F02 Knob, Push (Power) 44 4-A 36R61696F01 Knob, Main		1 1	l				1		1			
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(M3 × 4) 13	1	1,,		03044305040	1 1		53	2-A	40190661701	Switch, Hotary	1	
13	ı	10		03544205640	1 1							
14 2-D 14S53017F64 Insulator, Cover 54A63397F01 Label, Fuse Caution 03844205669 Screw, Bind (M4 × 6) Cushion, Rubber Shaft, Power Shaft, Power Screw, W/Washer (M3 × 6) Screw, W/Washer (M3 × 6) Support, Cord Support, Cord Shaft, Power Screw, W/Washer (M3 × 6) Support, Cord Shaft, Power Screw, W/Washer (M3 × 6) Support, Cord Shaft, Power Screw, W/Washer (M3 × 6) Support, Cord Shaft, Power Screw, W/Washer (M3 × 6) Support, Cord Shaft, Power Screw, W/Washer (M3 × 6) Support, Cord Shaft, Power Screw, W/Washer (M3 × 6) Support, Cord Shaft, Cap Support, Cord Shaft, Cap Support, Cord Shaft, Cap	ı	12		05841635 103		- []						
▲ 14 54A63397F01 03344205699 Screw, Bind (M4 x 6) 16 4-F 75S92415F11 Cushion, Rubber Shaft, Power Shaft, Power ■ 17 1-B 47A92022F01 Shaft, Power Shaft, Power Shaft, Power O3040014G04 Screw, W/Washer (M3 x 6) 21 03D40014G04 Screw, W/Washer (M3 x 6) 28 43T53136F01 Bush, Cap Support, Cord 30 4-H 43841625J02 Support, Cord 30 4-H 29T66964F02 Terminal, GND (AU) Double, Face Jack (Semko) 35 4-D 09T51960F01 Holder, Fuse (Semko) 36m/3 29C41045P06 Lug, Board-In Somm 37 29A41814G01 Lug Screw, Countersink (M3 x 6) (M3 x 6) (M3 x 6) (M3 x 6) (M3 x 6) (M3 x 6) (M3 x 6) (M3 x 6) (M3 x 6) (M3 x 6) (M3 x 6) 42 3-A 36870885F08 Knob, Push (Power) 43 36A67333F02 Knob, Push (Power) 44 4-A 36861696F01 Knob, Main		'3		03641033302	INVECTUSII							
▲ 14 54A63397F01 03344205699 Screw, Bind (M4 x 6) 16 4-F 75S92415F11 Cushion, Rubber Shaft, Power Shaft, Power ■ 17 1-B 47A92022F01 Shaft, Power Shaft, Power Shaft, Power O3040014G04 Screw, W/Washer (M3 x 6) 21 03D40014G04 Screw, W/Washer (M3 x 6) 28 43T53136F01 Bush, Cap Support, Cord 30 4-H 43841625J02 Support, Cord 30 4-H 29T66964F02 Terminal, GND (AU) Double, Face Jack (Semko) 35 4-D 09T51960F01 Holder, Fuse (Semko) 36m/3 29C41045P06 Lug, Board-In Somm 37 29A41814G01 Lug Screw, Countersink (M3 x 6) (M3 x 6) (M3 x 6) (M3 x 6) (M3 x 6) (M3 x 6) (M3 x 6) (M3 x 6) (M3 x 6) (M3 x 6) (M3 x 6) 42 3-A 36870885F08 Knob, Push (Power) 43 36A67333F02 Knob, Push (Power) 44 4-A 36861696F01 Knob, Main		14	3 0	14853017564	Inculator Cover							
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 17 1-B 47A90587F01 Shaft, Power 17 1-B 47A9202F01 Shaft, Power 18 1-C 43A83885F01 Spacer, Rubber Screw, W/Washer (M3 x 6) 28 43T53136F01 Bush, Cap 29 4-H 43B41625J02 Support, Cord 30 4-H 29T66964F02 Terminal, GND (AU) 31 5-H 14A93742F01 Double, Face Jack Holder, Fuse (Semko) 35 4-D 09T51960F01 Holder, Fuse (Semko) 36 29C41045P06 Lug, Board − In 50mm 37 4-A 03844205650 Screw, Countersink (M3 x 6) 42 3-A 3687033F02 Knob, Push (Power) 43 36867333F02 Knob, Push (S x 10) 44 4-A 36861696F01 Knob, Main 		16	A.E	75902/15511	1							
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21					1 1							
28	l	1 1										
29 4-H 43B41625J02 Support, Cord 30 4-H 29T66964F02 Terminal, GND (AU) 31 5-H 14A93742F01 Double, Face Jack 09T51410F01 Holder, Fuse (Semko) 4 35 4-D 09T51960F01 Holder, Fuse (Semko) 29C41045P06 Lug, Board−ln 50mm 37 29A41814G01 Lug Screw, Countersink (M3 × 6) 42 3-A 36B70885F08 Knob, Push (Power) 43 36A67333F02 Knob, Push (3 × 10) Knob, Main	ı				1 1							
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31 5-H 14A93742F01 Double, Face Jack 09T51410F01 Holder, Fuse (Semko) ▲ 35 4-D 09T51960F01 Holder, Fuse (Semko) 36 29C41045P06 Lug, Board − In 50mm 37 29A41814G01 Lug 41 4-A 03S44205G50 Screw, Countersink (M3 × 6) 42 3-A 36B70885F08 Knob, Push (Power) 43 36A67333F02 Knob, Push (3 × 10) 44 4-A 36R61696F01 Knob, Main		30	4-H	29T66964F02	Terminal, GND							
■ 35												
▲ 35 4-D 09T51960F01 Holder, Fuse (Semko) 36 29C41045P06 Lug, Board − In 50mm 37 29A41814G01 Lug 41 4-A 03S44205G50 Screw, Countersink (M3 × 6) 42 3-A 36B70885F08 Knob, Push (Power) 43 36A67333F02 Knob, Push (3 × 10) 44 4-A 36R61696F01 Knob, Main			5-H	1	l i							
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(Semko) Lug, Board – In 50mm 37	l				1							
36	•	35	4-D	09T51960F01	1 1							
37					1 { 1							
37		36		29C41045P06	•							İ
41 4-A 03S44205G50 Screw, Countersink (M3 × 6) 42 3-A 36B70885F08 Knob, Push (Power) 43 36A67333F02 Knob, Push (3 × 10) 44 4-A 36R61696F01 Knob, Main	1				50mm	- []						
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43 36A67333F02 Knob, Push (3 × 10) 44 4-A 36R61696F01 Knob, Main		74	5-7	30570000708	1 1							
44 4-A 36R61696F01 Knob, Main		43		36A67333F02	' '							
44 4-A 36R61696F01 Knob, Main												
		44	4-A	36R61696F01								
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Notes: ●: For West Germany model only (AD), ▲: For Canadian model only (UQ), Others: Common,

Packing Assembly Parts List

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description	
101-1	68P83710F05	Owners Manual	105	56D90649F01	Tray, Packing	
101-2	28T67347F01	Plug, Audio Cable	106	56A93246F01	Pad, Packing	
		(AU)	107	56B40230G08	Sack, Polyethylene	
102	56B40230G23	Sack, Polyethylene				
103	56S83833F14	Carton, Packing				
104	56D90648F01	Tray, Packing				

Packing Method View



Semi-Conductor Lead Identifications

M5220L: IC2001, 2002, 4001, 4002 СНІ TA7317P: IC5001 Sub-Straight DC Voltage Detect Circu NJM78M12A: IC5002 З) ОПТРИТ INPUT COMMON

2SK30A: Q1001, 1002, 1015, 1016



2SC1815 : Q1003, 1008, 1010, 1012, 1020, 1022, 1024, 2005, 2006, 5002, 5005

: Q5021, 5022, 5023, 7003, 7004, 7009, 7010, 7011, 7012, 7021, 7022

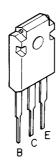
2SA1015 : Q1004, 1007, 1009, 1011, 1019, 1021, 1023, 5003, 5004

2SC1740 : Q3001, 3002, 3003, 3004, 3005, 3006, 3007

2SC1318NC: Q3008



2SC3298: Q1005, 7017, 7018

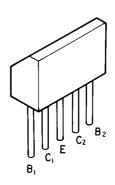


2SA1306: Q1006, 7019, 7020



2SA798 : Q1014, 1026, 7007, 7008

2SC1583: Q1013, 1025



2SC3423: Q1017 2SA1360: Q1018



2SK240: 02001, 2002



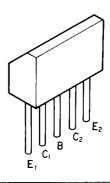
LIDRAIN I

2: GATE I

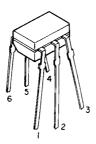
3: SOURSE I

4: DRAIN 2

5: GATE 2 6: SOURSE 2 2SC2291: Q2003, 2004, 7005, 7006



2SK332: Q7001, 7002



1: DRAIN 1

2: GATE 1

3: SOURSE 1

4 : SOURSE 2 5 : GATE 2 6 : DRAIN 2

2SA1208: Q7015, 7016 2SC2910 : Q7013, 7014

